

5/10/10 - 6/6/11

M



*"Rite in the Rain"*<sup>®</sup>

ALL-WEATHER

**JOURNAL**

No. 391

Markham Dump SA +  
Markham Dump RV

#1



5/10/2010 Markham Dump Site  
SUNNY 5:15

0910 WESTERN SMART APRIUS ON SITE

BMP APRIUS ARE NOT MAINT - WAITING TO

BE MAINT. LEPA PERSONAL CHARLENE THOMPSON

(P: 847-294-1122), CHRIS HOLY, AND ~~GEORGE~~

GEORGE STRUBATION ARE ON SITE. USEPA OR

Steve Fargan is also on site.

0910 The City of Northern Nevada a permit on site

to move the barrels. STARTS Lisa George,

Marcos Muehlt, and Stevena East review the

HASP with LEPA and OSC Fargan. For OSC Fargan,

he brought the USEPA's memo X-115 and will be

using it during site reevaluation. For OSC Fargan,

he did not bring his Level A PPE and since there

is a strict "no in, no out" policy, START/US EPA

will not be doing any Level B sampling today and

will use the Level A analytical data from drum

sampling. The local police will be patrolling

160m St to keep an eye on the perimeter's site

vehicles due to crime in the area.

0940 USEPA, LEPA, and START personnel enter the

site. START personnel starts up the Micro R

Meter (FEW 21355) and Trible GAS (FEW 25355)

and START George calibrates MultiRAE Plus

(FEW 21350), H<sub>2</sub>S 25ppm, CO 50ppm, CH<sub>4</sub>

SO<sub>2</sub> 14, O<sub>2</sub> 20.9%, and N<sub>2</sub> balance. Per

5/10/10 Markham Dump Site

START George, the Micro R background in

5 meters/for OSC Fargan review and begin

off on the START ESP. All personnel begin

site reevaluation on the north end of

Leavitt St. START George finds 4 empty

barrels at the northwest corner of Leavitt St

Food chemicals (nitrate), empty poly barrels full

poly barrels with unknown food chemical nitrate,

drum, and general debris near the east end

west end of Leavitt St. START George takes

the pH of a puddle on the east side of

Leavitt St (marsh end) with a pH of 11.

There are also empty poly tubes and pipes

metal full of the unknown food chemical nitrate.

Many the east side of Leavitt St are remaining

empty barrels, drums, and bottles (302), and

pH degreaser bottles (full-202), and full

5116 plastic bags of sprayable ammonium sulfate

START George estimates about 50 poly drums

(SS gold) on the east side of Leavitt St. Various

Various types of post chemical bottles (cleaner

increases, pH degreaser are located east of

Leavitt St along with cardboard drums of

nitrate. Super sacks of post chemical nitrate

are also located along the east side of

5/10/10 Markham Dump Site  
 collect the first soil sample while STARS  
 Grease trap + START team collect two additional  
 samples. During the auto reconnaissance no  
 readings with the MultiRAE or Micro & were  
 detected above background levels. START TD results  
 1050 For START Grease trap, START TD results  
 will be coming to the site today to help with  
 lead B sampling. For OSC Farjan, he wants  
 the soil samples analyzed for ~~lead~~ <sup>nickel</sup> +  
 START researchers are taking right now for  
 VCA, SVCA, and PCBs for OSC Farjan he  
 will appear this week with the XRF and visit  
 to have the soil samples from the 6 air zone  
 analyzed for metals. 1100 OSC Farjan and START Muscard take soil  
 sample M10-501-0510 from northeast of  
 Leant St. 1105 START Grease trap takes additional sample  
 M10-C01-0510 from the ~~site~~ <sup>the</sup> ~~site~~ <sup>additional</sup>  
 (assumed to be pad chemicals) located east  
 of Leant St in an open SS-gal poly drum  
 Due to getting high XRF readings at and  
 sample M10-501-0510, OSC Farjan wants  
 it also analyzed for metals. 1110 START Grease trap takes additional sample

4  
 5/10/10 Markham Dump Site  
 Leant St. On the north end of Leant St, the  
 majority of the chemicals and chemicals  
 containers appear to be located along the  
 east side. 1010 OSC Farjan has START Grease trap call 1050  
 pursuant to see if a fourth WESTON START re  
 came to the site with Level B gear, but  
 since someone couldn't be on site until about  
 1400 today - OSC Farjan said that Level B  
 sampling can wait 1050 For manual can time site reconnaissance along  
 Leant St. Further north along Leant are bricks,  
 debris, tires, other general debris, an open,  
 half full poly drum (rust hole), and various  
 10 gal buckets & B&B products for dry cleaning  
 on the east end east side of Leant St. Farjan  
 needs on the east side of Leant St there are 3  
 poly and one metal, partially full 300 gal tires  
 (liquid). None the tires are about 15 SS-gal  
 poly drums of medium large other sulfate and  
 about 5 SS-gal drums of assumed pad chemical  
 which Southeast of Leant St is ~~an~~ empty poly  
 SS-gal drums Southeast of Leant St appears  
 to ~~be~~ <sup>be</sup> here and general debris  
 START Muscard and OSC Farjan will

5/10/10 Markham Dump Site  
 1200 START Mueselant taken sample MD-051010  
 from the <sup>sampled</sup> part of the burn area.  
 1205 START Graetz taken sample MD-051010-051010  
 from suspected ACM in the <sup>sampled</sup> part of the burn area.  
 1207 START Graetz taken suspected ACM  
 sample MD-051010-051010 from the <sup>sampled</sup> part of the burn area.  
 1208 A large, open, metal tank is located on  
 the northeast area of the burn area. The tank  
 appears to be a former oil-water separator and  
 only contains some Acid rain. 3 City of Markham  
 police officers have also been on site since 0930  
 today.  
 1210 START ~~Mueselant~~ <sup>Graetz</sup> taken sample from the  
 northeast portion of the burn area. MD-051010-051010  
 4 fire fighters had returned to the site to  
 show site personnel where the cylinders were  
 exploding during their site fire and are now  
 off site again.  
 1250 START Graetz taken a soil sample from  
 the northeast area of the burn area. MD-051010-051010  
 1300 WESTON START TO locate a site: <sup>MD-051010-051010</sup>  
 1310 START TO locate, Graetz, Mueselant, and

5/10/10 Markham Dump Site  
 MD-051010 east of Leavitt St from a  
 516 plastic bag labeled Spirit Sprayable  
 common <sup>sample</sup> made by Precision (a  
 state powder <sup>sample</sup>). The drum that START  
 Graetz sampled MD-051010 from was  
 unlabeled.  
 1120 3 fire fighters from the City of Markham  
 Fire Department are on site to open up a pit  
 for sampling. START Mueselant is doing  
 the sample located City of Markham FD  
 location #: 708-225-841 and 708-331-272.  
 For OSC Farago, START will have sample  
 MD-051010 analyzed for pH and chlorine  
 and MD-051010 analyzed for pH and  
 ammonia.  
 1145 City of Markham fire fighters are off site.  
 US EPA, ICPA, and START personnel will visit the  
 burn area of the site. Two empty 55-gal poly  
 drums are located east of Irving St. For OSC  
 Farago, he will download the XRF data and send  
 it to START Graetz. The burn area appears  
 to be predominantly debris and may contain heavy  
 metals and ACM. For OSC Farago, in vicinity  
 the red samples from the burn area sampled  
 for Total PCBs, metals and TSP metals.

5/10/10 Markham Dump Site  
 Can begin to dress out in level B the  
 for drum sampling, START Waste and  
 START Muscular will be doing the drum  
 sampling with START Gageyt and START  
 Eco documenting and dressed out in level  
 B ~~start~~ for H/S per person  
 1350 START Muscular takes a liquid sample from  
 a 300 gal pail the located southeast of  
 Leavitt St. MD-C03-0510. The samples  
 a tan color and very viscous (like grease).  
 For START Gageyt, the rest of the container  
 samples are going to be analyzed for VOCs,  
 PCBs and Methylene. No Methylene.  
 readings are above background at sample  
 location MD-C03-0510.  
 1405 START Muscular begins sampling of the  
 next container location, but there is very little  
 material and the drum ~~was~~ had a cap  
 open so the OSC Farquhar decided it is  
 likely rain water and had START Waste  
 and Muscular move on to the next drum  
 sampling location. This potential sampling  
 location was along the east side of  
 Leavitt St. START Waste and Muscular  
 move a little north to the next drum

5/10/10 Markham Dump Site  
 Sampling location. START ~~Waste~~ M.H.H.R.K.  
 readings are still below background.  
 1410 START Muscular takes a solid sample  
 from a 55 gal pail drum labeled  
 "Pyrazol Yellow BG Foster ER 350" from  
 Class and Comparison. The sample material  
 was yellow and in loose solid form,  
 sample MD-C04-0510  
 1415 START Waste and Muscular attempt to  
 sample another 55 gal pail drum on  
 the ~~west~~ east side of Leavitt St. but the  
 material inside appears to be oil and  
 rainwater, so per OSC Farquhar they  
 scrap the sample.  
 1425 START Gageyt takes a water sample from  
 the puddle located at the northwest  
 northeast area of Leavitt St. that was  
 earlier tested with pH paper with a result  
 of 11. Sample #: MD-W01-0510  
 1430 START Muscular & GSA the remainder of  
 the sample location. Per OSC Farquhar, he  
 wants to STOP to email him the figure  
 5-2 from the FSP START Gageyt fills  
 out the STAT sample chain of custody.  
 1300 All personnel are off site. START

10/25/10

Machon Dump

0918 STAP1 Calamb drums on site and

- notes to battery cranking site w/ Chawlin

- Triples of 12PP.

0949 osc Fougen and Fields rep Brian Green

- and John Berg-Reiner arrive on site

0955 All field personnel review the site

- HASP and sign off on work for the

- day.

1057 Chawlin Thigpen mentions that it is

- possible that a tracer full of batteries

- may have been dumped back here and

- the batteries were broken for lead.

1010 Broken electrical pole observed; it

- will be added to the HASP and

- Comed will be contacted.

1025 ITR used 120 second readings on the

- XRF.

1030 Fields begins delineating North end

- of piles ~ 50 feet north of road.

- ITR sample 101 (North) = 32 mg/kg

- lead and 102 (west) = 8 mg/kg

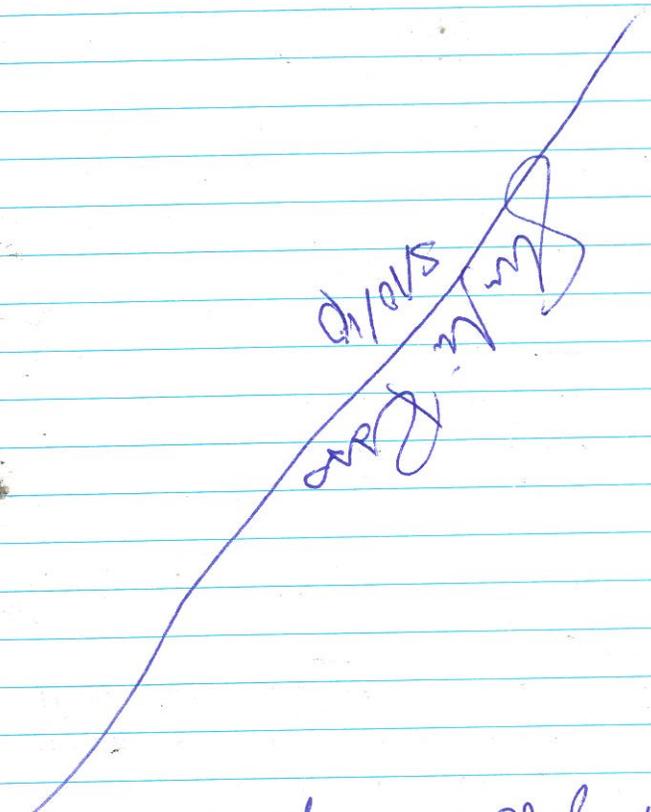
1102 total gas cylinders <sup>50m<sup>3</sup></sup> west

- of battery area

1110 2 drums located west of dump

- area

5/10/10 Machon Pump Site.  
Puccinatti is returning all equipment  
to the WESTON VRI office and  
START is Grady and East are  
dropping off the samples at STAT.



Muckham Dump

10/25/10

1136 MD-102510-01 taken

- MD-102510-01 taken on north side - 2

- of access road approximately 35 feet - 2

- from main road.

1140 MD-102510-02 taken opposite - 1

- set of access road ~ 40 feet - 2

1146 MD-102510-03 taken on the north - 1

- end of access road.

1152 MD-102510-09 taken on the - 2

- south side of access road ~ 30 feet - 2

- four main roads.

1204 OSC Feynman equals IEPN given to the - 1

- drums on the west side of the dump - 2

- one.

1230 FIELDS crew walks with OSC Feynman and - 2

- START due to slag pile where steamings - 1

- was in excess of 5,000 ppm.

1241 Sample MD-102510-05 taken in slag - 1

- pile.

1245 Mobilize crew out to area near - 1

- abandoned drums. XRF steamings exceeds - X

- 5,000 &amp; 7,000.

1254 Sample MD-102510-06 taken at - 2

- location where steamings were in excess of - 1

- 5,000.

Muckham Dump

10/25/10

1310 FIELDS group takes XRF and GPS points - 2

- at sample locations 01-04.

1355 START processes samples and pinnac

- turn in to cooler while analyzing - 2

- lab disposal.

1405 START leaves site for the day - 2

- one.

1230 FIELDS crew walks with OSC Feynman and - 2

- START due to slag pile where steamings - 1

- was in excess of 5,000 ppm.

1241 Sample MD-102510-05 taken in slag - 1

- pile.

1245 Mobilize crew out to area near - 1

- abandoned drums. XRF steamings exceeds - X

- 5,000 &amp; 7,000.

1254 Sample MD-102510-06 taken at - 2

- location where steamings were in excess of - 1

- 5,000.

1254 Sample MD-102510-06 taken at - 2

- location where steamings were in excess of - 1

- 5,000.

1254 Sample MD-102510-06 taken at - 2

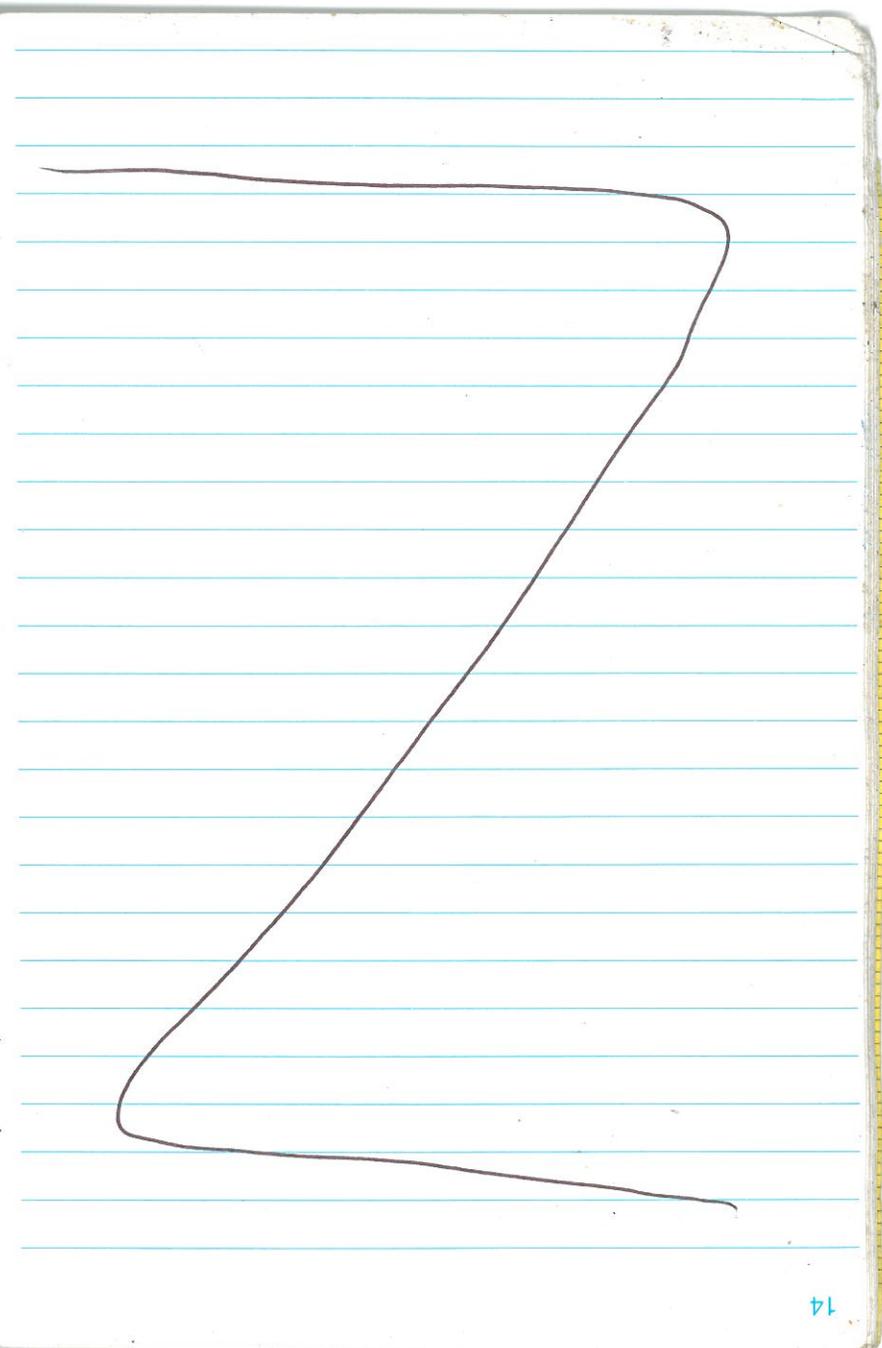
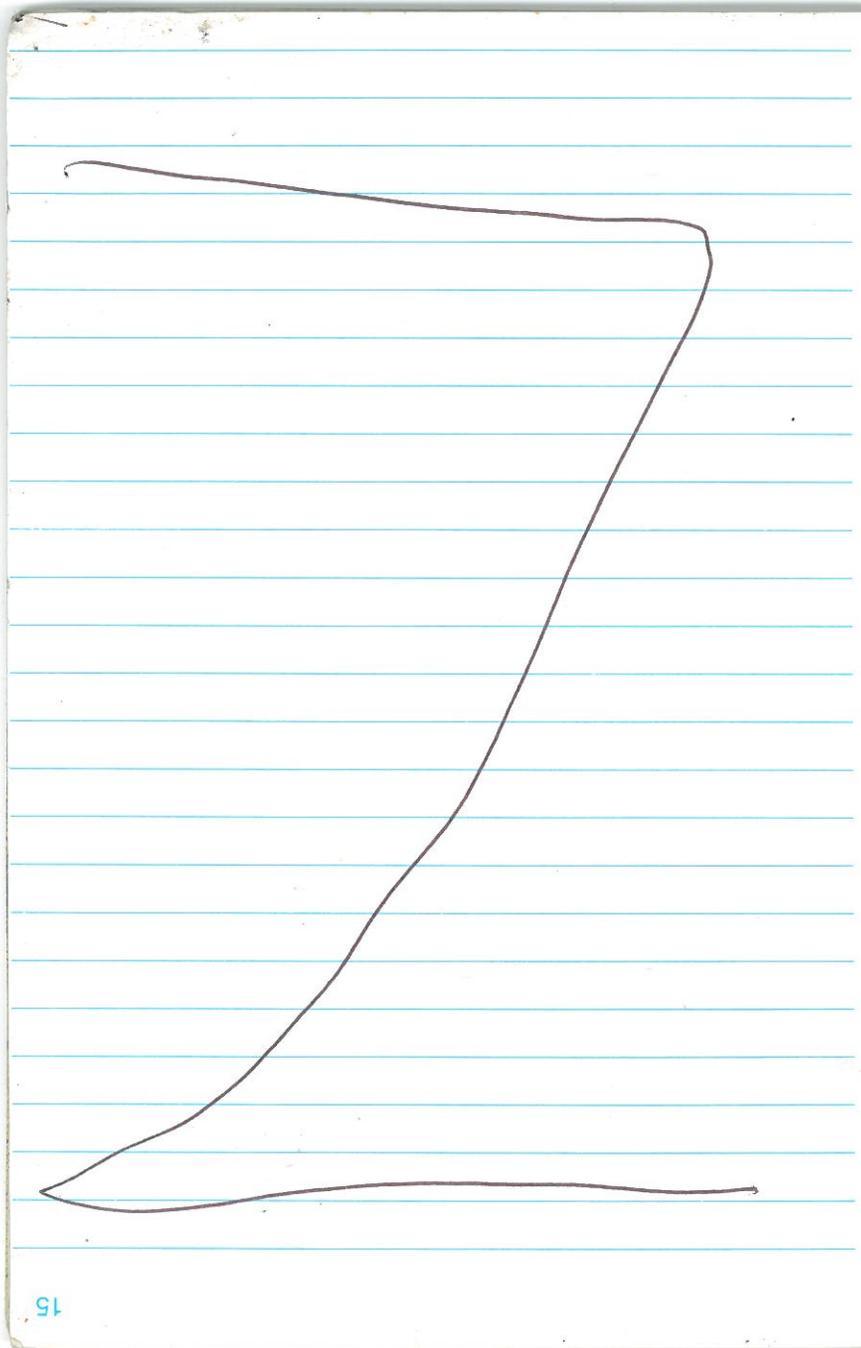
- location where steamings were in excess of - 1

- 5,000.

1254 Sample MD-102510-06 taken at - 2

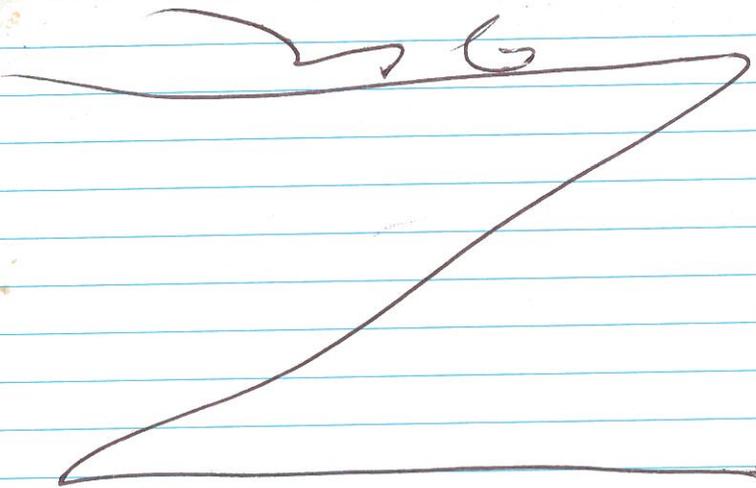
- location where steamings were in excess of - 1

- 5,000.



Colonh machine being #12-11  
 weather: Overcast and cool, high of - ]  
 - approximately 55"  
 0700 START Column arrives on site - ]  
 and begins calibration of the MATHREK- ]  
 = CO = 49; H<sub>2</sub>S = 25 ppm; O<sub>2</sub> = 20.9; - ]  
 - VOCs = 99.3. - ]  
 0725 GERS concurs site health and - ]  
 - safety meeting. Focus on the potential - ]  
 - hazards of chemicals on east portion - ]  
 - of site. - ]  
 0800 GERS begins a search of entire site - ]  
 \* trying to find all orphaned containers - ]  
 on site. - ]  
 0815 GERS details orphaned containers - ]  
 - as any containers which contain - ]  
 - liquid or empties which are greater - ]  
 - than 5 Gallons. - ]  
 1000 GERS begins from site <sup>work</sup> and begins - ]  
 - moving orphaned containers in to - ]  
 - storage area. - ]  
 1030 GERS takes break. - ]  
 1045 GERS 'contains' site walk; working - ]  
 - on the western portion of the - ]  
 - site. - ]  
 1130 GERS breaks from site walk to - ]

Colonh machine being #12-11  
 - stage orphaned containers. - ]  
 1200 GERS breaks for lunch. - ]  
 1300 GERS returns to orphaned container - ]  
 - search. - ]  
 1530 GERS takes break from afternoon - ]  
 - work - ]  
 1540 OSC Foreign registers help from - ]  
 - U.S. EPA P/E/ID's team regarding - ]  
 - the characterization of soil on site - ]  
 1550 GERS returns to site work - ]  
 1710 GERS stops all discourt - ]  
 - containers and pumps to leave - ]  
 - site for the day - ]  
 1730 All final personal items - ]  
 - site for the day - ]  
 4-12-84



Colomb  
Muckham Dump 4-13-11

Wetlands Crew and ~50°F. chance of rain

0700 START Colomh arrives on site - 1

and meets with OSC Feyon and - 1

- ER's personnel. - 1

0716 Field Health and safety meeting - 1

- conducted on site with focus on the - 1

- collection of pool chemicals on the eastern - 1

- portion of site. - 1

0805 ER's mobilizes to the eastern portion - 1

- of the site and continues the removal - 1

- of super sacks located in the rubber - 1

1005 ER's breaks from work after - 2

- removing approximately 19 super - 1

- sacks utilizing the bobcat and - 1

- personnel. - 1

1020 ER's continues the work in the - 1

- eastern portion of the site. All super - 1

- sack work is done in modified - 1

- level D. - 1

1110 OSC Feyon requests a cost - 1

- estimate on START work for - 1

- the project thus far. - 1

1205 ER's breaks for lunch and leaves - 1

- site for the duration. - 1

1250 ER's returns to site and mobilizes

Colomh  
Muckham Dump 4-13-11

- back to eastern portion of site for - 1

- conduct removal of super sacks - 1

1350 START summons data with Muth - 1

- ret and sees no elevated readings - 1

1430 ER's breaks from site work - 2

1445 ER's continues site work at - 1

- the eastern portion. - 1

1505 Begins rainings - 1

1705 Work halted early so bobcat

- can be cleared and ready - 1

- for work on following day. - 1

1735 All personnel leave site for - 1

- the day - 1

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Colomb Mathew Dump 4-15-11

Weather: Overcast, ~45°F; no rain expected during the day.

0701 All field personnel arrive on site - 11

- and begin tailgag bath and safety - 11

- meeting conducted by ERS. - 11

0715 ERS contractors continue container - 11

- Removal operations in the area west - 11

- of the command post. - 11

0755 Mithras calibrated - 11

- CO = 55 ppm; H<sub>2</sub>S = 25 ppm; O<sub>2</sub> = 20.9 - 11

- VOCs = 9.7 ppm - 11

0810 PDR record - 11

0825 START Colomb mobilizers out to - 11

- area where ERS is conducting container - 11

- removal activities. - 11

0905 4-gallon sized jugs of what - 11

- appears to be waste oil is discovered - 11

- near 160th. Documented and transported - 11

- out to the container storage area - 11

0917 FIELDS team arrives on site and - 11

- begins setting up equipment to - 11

- continue GPS and XRF work. - 11

0935 FIELDS is given a site Health - 11

- and safety briefing and begins work - 11

1055 ERS crew breaks from container - 11

Colomb 4-15-11

- work and maps to command center - 11

1110 ERS continues work - 11

1210 ERS breaks for lunch, plan to - 11

- continue working in the west for - 11

- remainder of the day. - 11

1235 ERS continues work - 11

1300 START Colomb works with FIELDS - 11

- in area southwest of Coned Road - 11

- to delineate extent of lead contamination - 11

1435 FIELDS completes delineation work - 11

- for the day. John Cass will return - 11

- on Monday. - 11

1530 ERS breaks from container work - 11

1540 ERS returns to work - 11

1610 Chaitan, Thigpen (ICPA) arrives on - 11

- site and is briefed on current site - 11

- conditions. - 11

1635 ERS begins organizing container - 11

- storage area. - 11

1640 Chaitan, Thigpen leaves site for - 11

- the day - 11

1700 ERS begins bobcat demob. - 11

1730 All personnel leave site for the - 11

- day. - 11

Colomb Mulkhan Dump 4-18-11

0700 START Colomb arrives on site and

-begins daily fatigue health &amp; safety meeting-

0810 OSC Mendoza arrives on site and -

- signs health and safety plan.

0720 ERKS contractors begin clearing out -

- brush near the Comed road w/ the -

- bobcat and a set of chainsaws.

0915 ERKS begins bracing to gas up -

- the bobcat.

0937 ERKS heads back out to the -

- Comed road to continue paving -

- out debris

1036 OSC Mendoza - fows the site -

- and observes work being done near -

- the Comed Road.

1105 OSC Mendoza leaves site for the day -

- to grab Equipment.

1205 ERKS and site personal break for -

- lunch.

1200 ERKS continues grubbing work in the -

- area south of the Comed road.

1310 United Rentals delivers generator -

- to the area where the tractor have -

- been staged.

1400 OSC Mendoza returns to site and -

Colomb Mulkhan Dump 4-18-11

- Contract oversight activities

1435 ERKS arrives back from grubbing and all

- head back out to tractor.

1450 ERKS crews return to grubbing on -

- the south portion of the Comed road -

1455 Bobcat is refueled for work in the -

- afternoon.

1510 work grubbing the area south of the -

- Comed area continues.

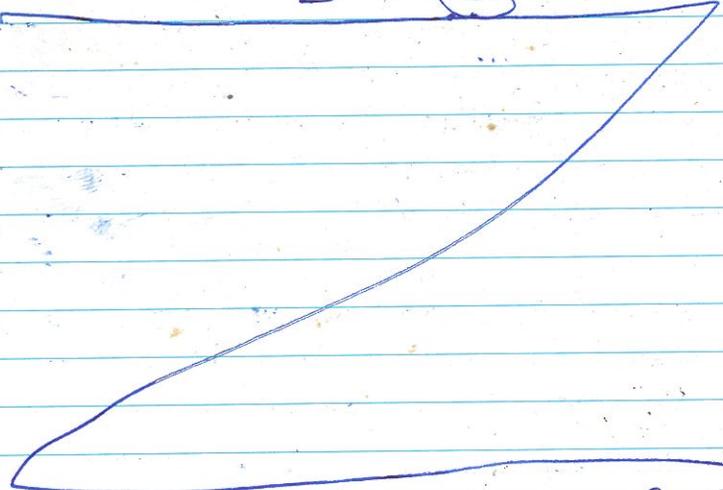
1700 ERKS finishes grubbing work near -

- the road and begins loading the -

- bobcat on to the trailer.

1730 work crews leave the site for the -

- day.



Colomb Muckham Dump 4-19-11

1210 lightning was observed on site - 11  
 - as per HASP, no work will be conducted -  
 - for at least 30 minutes. -  
 1240 ERRS continues grubbing work in - 11  
 - the area North of the Coned road - 11  
 1325 Electrician leaves site - 11  
 \* Backhoe → 1135 Guelim Tuijper and Chris Holger  
 (13PA) arrive on site and observe work - 11  
 1345 Excavator arrives on site end - 11  
 - is inspected by ERRS operator. - 11  
 1450 ERRS breaks from grubbing operations  
 1500 ERRS own continues work, using - 11  
 - excavator to grab larger trees in the - 11  
 - area North of Coned road - 11  
 1700 ERRS completes grubbing work - 11  
 - for the day and begin loading up - 11  
 - bucket on trailer. - 11  
 1730 All site personnel leave for the - 11  
 - day - 11

Colomb Muckham Dump 4-19-11

1210 lightning → scattered thunder - 11  
 - expected - 11  
 0700 start Colomb arrives on site and begins - 11  
 - callibrating PDR. - 11  
 0710 asc Muckham arrives on site and - 11  
 - ERRS conducts site health and safety - 11  
 - meeting - 11  
 \* Special considerations have been made - 11  
 - regarding the potential for thunderstorms - 11  
 0725 ERRS crew mobilizes to the area - 11  
 - north of the Coned road and begins - 11  
 - grubbing. - 11  
 0900 Electrician arrives on site and - 11  
 - begins connecting both trailers up to - 11  
 - the generator - 11  
 1035 ERRS breaks from the grubbing operations  
 - and clears out tracks from bobcat. - 11  
 \* John Caw (F.I.S.L.D.S) arrives on - 11  
 - site and conducts GPS operations - 11  
 - on a survey of 2800 pb. - 11  
 1135 Rain becomes an issue (wetting - 11  
 - computer equipment) and FIELDS leaves - 11  
 - site for the day. - 11  
 1200 ERRS own breaks for lunch out - 11  
 - leaves site. - 11

Colomb Muckham Dump 4-19-11

1210 lightning was observed on site - 11  
 - as per HASP, no work will be conducted -  
 - for at least 30 minutes. - 11  
 1240 ERRS continues grubbing work in - 11  
 - the area North of the Coned road - 11  
 1325 Electrician leaves site - 11  
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 1450 ERRS breaks from grubbing operations  
 1500 ERRS own continues work, using - 11  
 - excavator to grab larger trees in the - 11  
 - area North of Coned road - 11  
 1700 ERRS completes grubbing work - 11  
 - for the day and begin loading up - 11  
 - bucket on trailer. - 11  
 1730 All site personnel leave for the - 11  
 - day - 11

Colonby Muckham Dump 4-20-11

Weather: Overcast and ~ 45° F

0700 Start Colonby arrives on site and

meets w/ ERES crew. There will be no OSC

on site until this afternoon

0710 ERES conducts RTH Health and Safety

meeting

0715 ERES mobilizes bobcat and excavator

and heads out to Comed road area

to continue grubbing operations in the

area North of the road

0810 John Conroy (FIELDS) arrives on site

and conducts final GPS work on high

lead areas south of Comed Road

1025 ERES crew breaks from grubbing

work and checks heavy equipment

1040 Toby (ERES) leaves site to conduct

tractability study on soil collected

"High Cr" areas

1055 John Conroy completes GPS work

begins processing data in trailer

1200 ERES prepares for lunch and

leaves site for the day

1230 ERES returns to work out

grabbing operations in the area

North of the Comed road

Colonby Muckham Dump 4-20-11

1200 Toby leaves site briefly to

conduct tractability test on soil from

high Cr location

1305 Start Colonby and John Conroy

test XRF equipment and pump for

contamination sampling in the excavation

1425 John Conroy leaves site for the

day

1600 OSC Ferguson arrives on site

and is briefed on the situation

1630 OSC Ferguson agrees that contamination

sampling on the soil excavation will

be a 20x20 grid

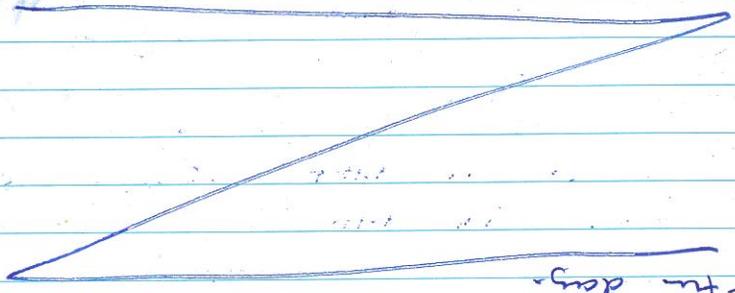
1500 ERES completes grubbing work for

day and mobilizes the bobcat back

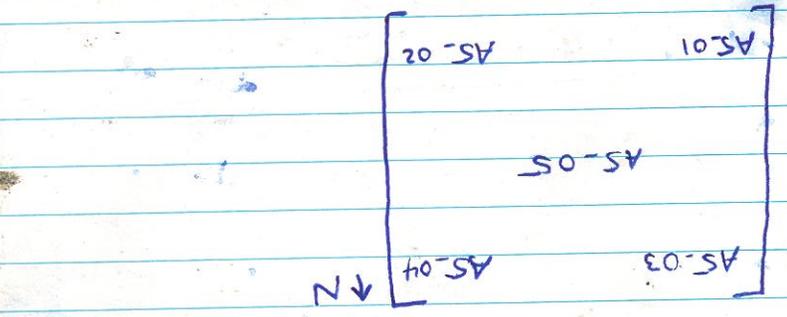
to the staging area for loading

1530 All field personnel leave site for

the day



3



Colomb  
 Making Dump 4-21-11  
 weather = Sunny and ~50°  
 0700 All field personal gear on site  
 and begin set up operations  
 0710 ERAS conducts site health and -  
 safety meeting.  
 0735 START Colours zeros out PDR -  
 - PNO 24 028.  
 0745 John Canev (FIELDS) arrives on site -  
 0800 START and FIELDS begins putting  
 together grid system for excavation  
 activities.  
 0920 Excavation begins in grid AS  
 - and all soil is stockpiled to the south  
 - East.  
 1000 Confirmation sampling w/ the  
 XRF begins at location AS.  
 IDs will be AS-01; AS-02; AS-03-1;  
 AS-04; AS-05.

ID PB  
 AS-01 425  
 AS-02 1659 AS-02B = 1157  
 AS-03 531 Avg 599  
 AS-04 316  
 AS-05 063  
 ID PB  
 B4-01 545  
 B4-02 2178 303 1043  
 B4-03 544  
 B4-04 3107 95  
 B4-05 ~~54971~~ 745  
 B5-01 904  
 B5-02 341  
 B5-03 941  
 B5-04 2231  
 B5-05 673  
 A4-01 848  
 A4-02 422  
 A4-03 319  
 A4-04 1916  
 A4-05 117

Colomb  
Market Dump  
4-21-11

43-01	3075	947
43-02	2435	287
43-03	3099	217
43-04	3667	123
43-05	5646	685

B3-01	3531	217
B3-02	1090	281
B3-03		29
B3-04		123
B3-05		686

4-22-11		
5-02		
5-03		
05-04		3
05-05		
05-06		

Backnote. All field logging was recorded on-

XRF due to heavy rain.

1635 START Colomb completes XRF survey

- and ERPS begins removing equipment

- from hot zone and decoming

1705 All personal leave site for the day

3

Colomb  
Market  
04/25/11 Dump

Weather: Overcast and cool w/ a  
-high of ~62°F

0700 START surveys on site and mats

- with OSC Fanyan and ERPS Grim

- on site and begin length and

- safety meeting regarding site

0745 ERPS begins the removal of soil

- from the area of B-C. All soil

- will be stored in the truck

- soil pile on site

0935 Researcher maps to site

- and C and begins excavating

- the E-w aspect of the

- area

1020 OSC Fanyan confers with ERPS

- our decision that the excavator will

- only dig to a depth of groundwater

- which is ~2-3 feet bgs

1135 Excavator completes the excavat-

- of D-D and begins removing soil

- from D-E

1210 ERPS breaks for lunch and leaves

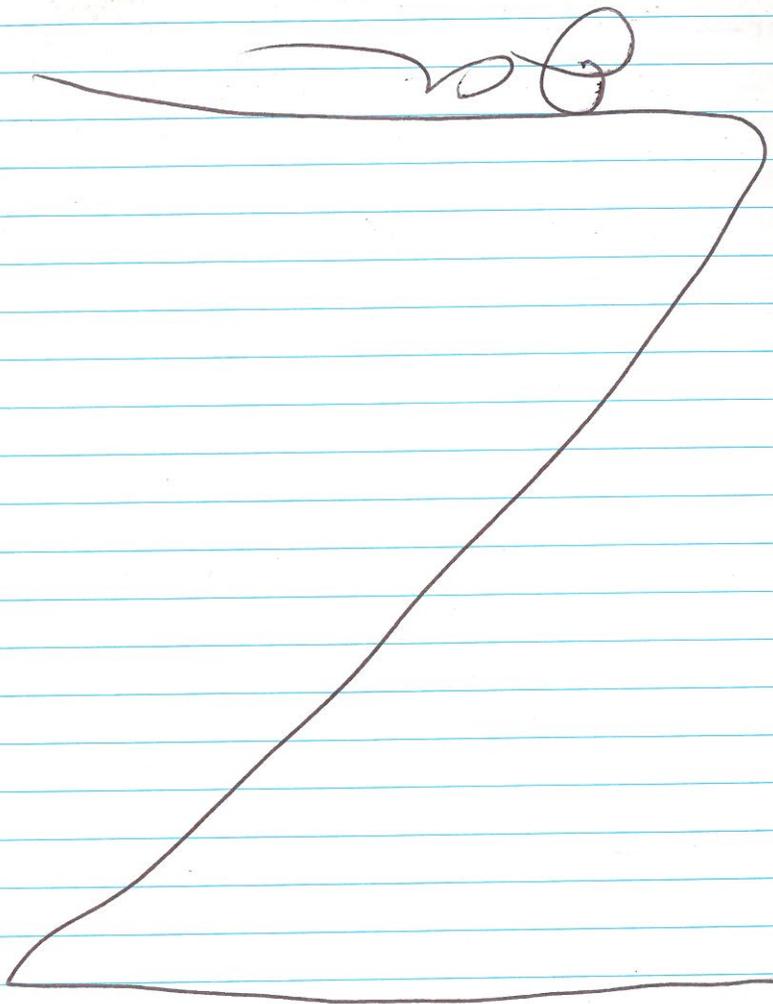
- site for direction

1235 All personal return to work

- and begin removing soil from D-3

Colon  
Makhu Dump 4/25/11

- soil removal will continue in to - 2  
- the early afternoon  
1400 ERPS completes as much soil - 2  
- excavation as possible (w/ OSC - 1  
- Fayon's approval) over work - 1  
- begins on staging soil pile - 2  
1445 ERPS crews begin building - 1  
- and staging drums on the - 1  
- site near the command area - 1  
1520 ERPS completes soil pile staging - 1  
- and begins the decon work on - 1  
- the excavator. All soil will be - 1  
- removed by hand and the remaining  
- soil will be removed via - 2  
- pow waster.  
1535 ERPS crew leaves site to - 1  
- go get pow waster for decon - 1  
- work.  
1550 Hand removed of loose soil - 1  
- complete and OSC Fayon agrees - 1  
- pow washing begins - 1  
1625 Pow washing complete on - 1  
- the excavator. It is insular - 1  
- from the bottom stripping it to a - 2  
+ trailer and shipping it on site - 2



Colon Makhu Dump 4/25/11

1705 Excavator decon and prepared - 1  
- for pick up from site. - 1  
1935 Excavator and all field personnel  
- off site for the day - 1

4-26-11 Makhu Dump

Colomb

weather. Overcast and rainy; potential thunderstorms  
in the afternoon.

0700 Field personal survey on site and -  
- participate in Taijiga health and safety

- survey w/ ERRS  
0630 John Case (FIELDS) arrives on site -  
- and begins setting up GPS unit

0745 OSC Feyon and RM Vihang (ERRS) -  
- decide to move excavator to Southwest -

- comm.  
0800 Matthew PM 6 25-99 Calibrated -  
CO-49 H5-25 O2-20.9 LEL=49-11

VOCs-49.6  
- To Southwest corner to flag out "Hot" -  
- area (pb > 900). Several cans now -  
- been located and flagged.

0820 START Colomb and John Case mobilize -  
- The excavator mobilizes to the south -  
- west area and begins scraping 6" of -  
- soil.

0935 Excavator begins concrete out -  
- stops @ 6-8" of soil. -  
0945 START Colomb swings area w/ -  
- XRF unit, several locations

- found to be > 900 ppm -  
- found to be > 900 ppm

4-26-11 Makhu Dump

Colomb

1000 OSC Feyon requests another sweepings -  
- of ~ 6" ERRS uses bucket of bucket -  
- to sweep.

1025 START Colomb resumes the area -  
- and still finds several locations that -  
- are > 900 (pb).

1045 OSC Feyon requests another sweeping -  
- of the top 3" -  
1115 on main scanning indicates that the -  
- locations are still > 900 (pb)

1205 All field personal bure for -  
- lunch.  
1210 lightning is observed → 30 minutes of -  
- break will be taken.

1300 lightning cloud and work continues -  
- clearing off excavator.  
1335 ERRS cans begin being driven in -  
- storage area.

1510 ERRS breaks from work. -  
1525 ERRS continues work, cutting up -  
- drums.

1730 All field personal leave site for -  
- the day.

Markus Dupp  
Colomb

4-28-11  
Weather: Overcast and ~50° May Start -11

-raining during the day.

0900 START to ERAS chemist and OSC -11

-Fayon arrive on site and begin -11

-preparing for sampling.

1105 START Colomb arrive on site and -11

- begins discussing sample locations and -11

-site OAPP.

1215 ERAS and START mob to excavation

-arr and take samples MD-01; MD-02-3

-~~MD-03~~ MD-Com Ex; MD-03; MD-04 -11

1305 Samples are processed through ERAS and -11

-will be submitted for analysis. -11

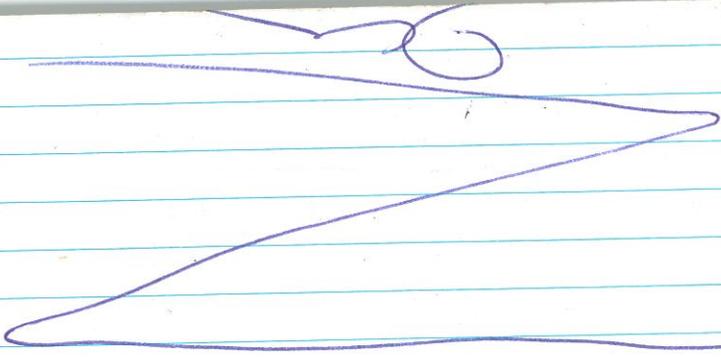
-No further work will be conducted -11

-today. F.I.E.L.D.S. will be on site -11

-tomorrow to conduct size estimates on -11

-soil piles. START will not be present

1390 All personnel leave site for the day -11



Markus Dupp  
Colomb

5-3-11  
Weather: Sunny and clear; windy; High 85° -11

0800 START Colomb arrive on site and -11

-meets with ERAS. OSC Thomas on site -11

-as cover for ~~0820~~ Fayon.

0820 ERAS continues site work and safety -11

-meeting. Bulking of ligaments to occur -11

-today and orphan container search will -11

-contin.

0850 ERAS begins bulking containers -11

-Flammable, corrosive, and oils -11

0900 OSC turns corner on site -11

0950 ERAS arrives from site and -11

-to meet concerns -11

1015 ERAS returns to bulking containers

1140 ERAS begins searching for any -11

-maintaining orphan containers -11

1230 ERAS breaks for lunch and leaves -11

-site

1310 ERAS returns to site and continues -11

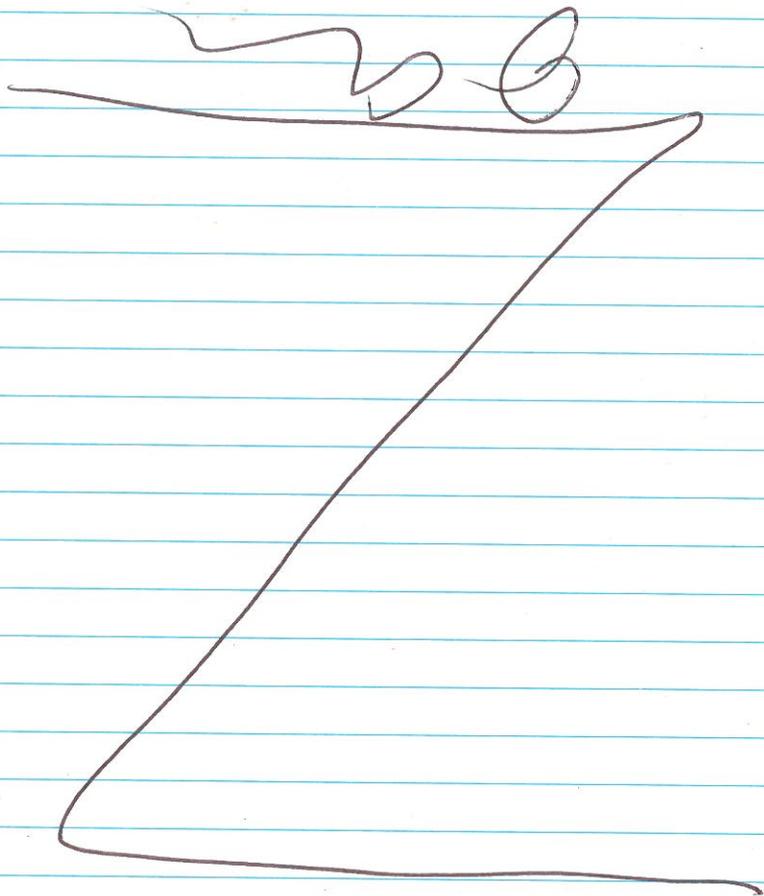
-orphaned container search.

1430 OSC Thomas leaves site for the -11

-day

1500 START breaks for lunch.

1515 START continues work looking -11



5-3-11 Markham Dump  
 Colons  
 - for openwork containers.  
 - 1540 ERAS begins site screwing for  
 - excluded closure.  
 1600 Generator will be picked up tomorrow  
 - trailers will stay on site  
 1700 All field personnel leave site

6-6-11 Markham Dump  
 0655 START member Lisa Graczyk is  
 on site. Backhoe is delivered  
 8:10

5-2-11  
 Weather: Clear and sunny ~ 65°  
 Cabinet  
 0700 START Colomb, Toby Viewing, Jeff, —  
 -Rob, (ERES), and OSC Feynman arrives on site —  
 0905 ERES Conducts health and safety meeting —  
 - Focus will be on Level C operations —  
 - and drum consolidation. —  
 0810 Muthren calibrated —  
 - CO-49; H<sub>2</sub>S-25; O<sub>2</sub>-20.9; LEL-49; —  
 - VOCs-99.6 —  
 0815 ERES begins consolidating tanks of —  
 - acids (caustics) and destroying tank —  
 - containers. —  
 0855 Containers 60 gal, 62 will be con —  
 - solidated into 55 gallon poly drums and —  
 - tanks will be destroyed. —  
 1030 ERES work starts break from consolidating —  
 - and mob back to trailers. —  
 1045 ERES class Level C PPE again —  
 - and mob back to drum storage —  
 - area to confirm consolidation —  
 1150 ERES starts computer consolidation —  
 - of large tanks (except other acid tank —  
 - and large red tank) —  
 1200 Break for lunch —  
 1230 ERES resumes confirm consolidation —

5-2-11  
 Medium Dry  
 Clear

1405 The large red tank is empty —  
 - activities with the tanks —  
 - transferred and then destroyed —  
 1435 ERES transfers acetate acid tank —  
 - into a new drum. All transfer work —  
 - is being done in Level C. —  
 1530 ERES completes the transfer of acetate —  
 - acid. The tank is destroyed and ERES —  
 - takes break —  
 1540 START Colomb and OSC Feynman —  
 - mobilize to evacuation area to observe —  
 - water level. The percent water level has —  
 - dropped ~ 1/2" —  
 1645 ERES work starts continue transiting and —  
 - destroying drums. —  
 1630 OSC region notes that "supr sacks" are —  
 - still visible in the "empty bottle pile" —  
 1730 All field personal leave site for —  
 - the day —

5-9-11 Newkirk Dump Colton  
 Wesime - vhs and Overcast should place

up by mid afternoon  
 All field personnel arrive on site  
 and participate in tailgate safety meeting  
 work today will consist of level G  
 work with coves.

0712 Calibred monitoring. Muth & Rex - 11  
 - CO = 49 ; H2S = 25 ; LEL = 49 - 11  
 - Oxy = 20.9 VOCs = 106

0755 PDR zeroed and running  
 0800 ERS work comm monitoring to  
 - drum storage area and begin transferring  
 - coves. liquids into drums

0835 ERS work comm near pump handle - 11  
 - with thick coves. They decide to go - 11  
 - own and trench the base liquids  
 - and non - here

1100 ERS complete the trench of all base - 11  
 - liquids. 16, 17, 27, 57, 4, 13, 43  
 1115 ERS begins the troying of non - here - 11  
 - solids and destruction of drums

1145 Mike Ribordy (US EPA) arrives on - 11  
 " site and attends Health and Safety - 11  
 - briefing  
 1200 ERS comm break for lunch - 11

5-4-11 Newkirk Dump Colton

6-6-11 Markham Dump  
0655 START member Gerny/Kensite.

0700 OSC Farjan on site. Crew is getting on site. Work for today is to get set up for site work + begin solidification of soil. Air conditioning units in trailer was sampled.

Free-Flow - phosphate-based solidification agent.

0730 START Gerny reviews HAST signs.

Electricity is being hooked up to trailers. Backhoe was delivered this morning.

START verified that there is an emergency room.

0800 OSC Farjan + START Gerny work site.

There are 5 piles of soil to be solidified -

Pile 1 (Area 1) - 60 yds, Pile 2 - 32 yds,

Pile 3 - 60 yds, Pile 4 - 66 yds,

Pile 5 (located on adjacent street) ~ 30 yds.

A face contractor is on site to install

fencing for better security.

1000 RM John Berchans set up two air

Sampling pumps - one on operator

+ one on post. Sample cartridges

will be analyzed for total REPT

metals, no metal curd.

1100 ZAES crew is getting a six pile ready for solidification. Free flow (product name)

John Berchans 6-6-11

6-6-11

Markham Dump  
is to be used at a rate of 38 to

soil weight. It was estimated that 33

backhoe buckets would be needed per each

1-ton bag of Free Flow.

1315 Free Flow treatment chemical should

be on site in the next 30 minutes or so.

A safety meeting is held to go over Free Flow

hazards - dusty, + slightly corrosive (

up to a pH of 12). Crew to wear respirator

when working with Free Flow.

1400 Free-Flow is on site + bring off loads

with a backhoe. 44 1-ton bags arrived.

1430 START Gerny leaves site.

John Berchans 6-6-11

6-7-11

On-site @ Markham. Update on progress

of backhoe piles with Free Flow

Mix used in 2 bags started

(see backhoe piles)

6-8-11 OSC ATKOVINS on site

RECS SOLIMPLY PILE 3 WITH FREE FLOW

EXCAVATE PUE 33 YELLOW + RED

MATERIAL DISSEVED, 1 DRUM

EXCAVATED. GRAN - 1 OPERATOR

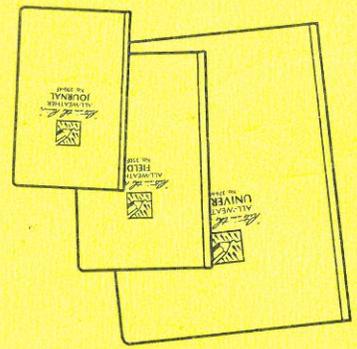
(TRACK HOE) - 1 LAMP (SKID STEER) - LEUCL

www.RiteintheRain.com

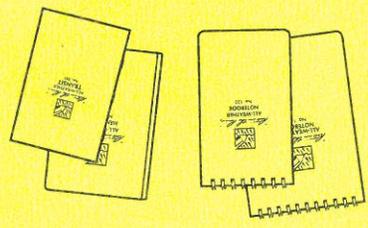


"Rite in the Rain" ALL-WEATHER WRITING PAPER

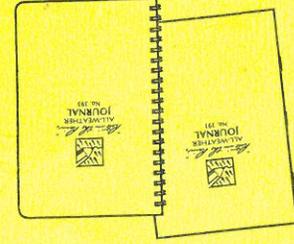
"Outdoor writing products... for outdoor writing people."



Bound Books



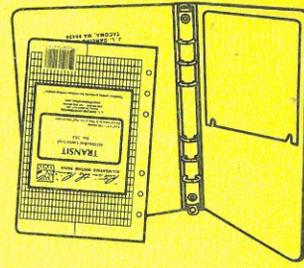
Memo Books



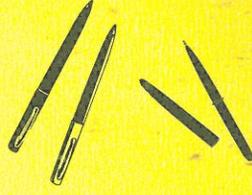
Notebooks



Copier & Ink-Jet Paper



Loose Leaf / Ring Binders



All-Weather Pens

Small Pond = 5 notelms  
Big Pond = 7 notelms